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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/068,876	02/11/2002	Tae-Hyeun Ha	P56531	1401

7590 03/01/2006

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EXAMINER

TRAN, TAM D

ART UNIT	PAPER NUMBER
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2676

DATE MAILED: 03/01/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/068,876

Applicant(s)

HA, TAE-HYEUN

Examiner

Tam D. Tran

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 03 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 02 September 2005.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-18 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 15-18 is/are allowed.
- 6) ☒ Claim(s) 1-14 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

## DETAILED ACTION

### *Claim Rejections - 35 USC § 103*

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-14 are rejected under 35 U. S.C. 103(a) as being unpatentable over Megied et al.

(USPN 6556253 B1) in view of Jameson (USPN 6396487 B1), hereinafter simply Megied and Jameson.

2. In regard to claims 1, 8, Megied teaches a displaying apparatus comprising a signal generator part generating (video driver) a video signal, and a display part displaying (monitor) thereon a picture based on the video signal generated by the signal generator part, see Fig.2, further comprising: a setting part including a portion set part (multimedia system) displaying a set portion at a user chosen arbitrary position of a screen of the display part, and a size adjuster part adjusting the size of the set portion (the size of each window may be user adjustable on a window-by window basis); see col.1 lines 15-22; and a controller part (digital signal processor 400 including memory for storing luminance signal of different positions on different windows) for storing a position value of the set portion (windows) set by the setting part, generating a setting signal corresponding to the set portion based on the position value (generating output luminance signal for different windows which have different positions on the screen), and

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processing the video signal according to the setting signal (digital signal processor 400 processes values of luminance signals for windows). See Fig. 1A, Fig.2, col.3 lines 26-47. Megied does not teach a size adjuster part adjusting the size of the set portion based on movement of a cursor from the arbitrary position within the portion set by the portion set part to another position.

However, Jameson teaches a size adjuster part (corner icon) adjusting the size of the set portion based on movement of a cursor from the arbitrary position within the portion set by the portion set part to another position. See col.3 lines 19-55. It would have been obvious to a person of ordinary skill in the art at the time of the invention to incorporate the window resizing method of Jameson into the window adjusting method of Megied because a combination of Jameson's method and Megied's method would facilitate moving the window after resizing, user simply click on the icon and drag the icon to resize the window.

3. In regard to claims 2, 9, Megied teaches a displaying apparatus comprising a signal generator part generating (video driver) a video signal, and a display part displaying (monitor) thereon a picture based on the video signal generated by the signal generator part, see Fig.2, wherein the controller part increases a signal level of the set portion by synthesizing a value of the video signal and a value of the setting signal. See col.6 lines 10-15.

4. In regard to claims 3, 10, Megied teaches a displaying apparatus comprising a signal generator part generating (video driver) a video signal, and a display part displaying (monitor) thereon a picture based on the video signal generated by the signal generator part, see Fig.2, wherein the controller part decreases a signal level of the set portion by offsetting a value of the video signal and a value of the setting signal. See col.5 lines 62-65.

5. In regard to claims 4, 11, Megied teaches a displaying apparatus comprising a signal generator part generating (video driver) a video signal, and a display part displaying (monitor) thereon a picture based on the video signal generated by the signal generator part, see Fig.2, further comprising a clock generator part generating a clock according to a reference position of the set portion based on the position value of the set portion set by the portion set part (multiplexer applies luminance signal correspond to time which read on generating a clock). See col.3 lines 49-57.

6. In regard to claims 5, 12, Megied teaches a displaying apparatus comprising a signal generator part generating (video driver) a video signal, and a display part displaying (monitor) thereon a picture based on the video signal generated by the signal generator part, see Fig.2, wherein the setting signal comprises at least one color signal corresponding to the video signal; and the setting part further comprises at least one signal adjuster part for changing the levels of the respective color signals. See col.3 lines 44-46.

7. In regard to claims 6, 13 Megied teaches a displaying apparatus comprising a signal generator part generating (video driver) a video signal, and a display part displaying (monitor) thereon a picture based on the video signal generated by the signal generator part, see Fig.2, further comprising a storage part (memory 116) storing the position value of the set portion set through the setting part; and a scaler (user adjustable window which read on magnifying the signal level) adjusting the width of the setting signal of the set portion set through the size adjuster part. See Fig.2, col.1 lines 19-22.

8. In regard to claims 7, 14, Megied teaches a displaying apparatus comprising a signal generator part generating (video driver) a video signal, and a display part displaying (monitor)

thereon a picture based on the video signal generated by the signal generator part, see Fig.2, wherein the controller adjusts the signal level (changing the brightness levels which read on magnifying the signal level) of the set portion by composing the video signal with the setting signal. See col.3 lines 44-47.

### ***Allowable Subject Matter***

9. Claims 15-18 are allowed.

10. The following is a statement of reasons for the indication of allowable subject matter:

The closest prior art shows the multi-window arrangement on the display, windows can be resized by user but does not disclose setting part comprising: a portion set part for displaying a set portion on a screen of the display part, said portion set part including a selection key, a plurality of adjuster keys and a cancellation key, said selection key, when toggled by the user, causing an initial cursor to be displayed on the screen, a position of said initial cursor being arbitrarily adjusted by user manipulation of said adjuster keys, and said set portion being removed from the screen in response to user manipulation of said cancellation key; a size adjuster part for enabling the user to adjust a size of said set portion, said size adjuster part, when toggled by the user, displaying a second cursor on said screen, said size of said set portion being adjusted by moving said second cursor diagonally with respect to said initial cursor by user manipulation of said adjuster keys. Setting part enables user adjusting the characteristics of the image such as size and brightness of the set portion on the screen.

### ***Response to Arguments***

11. Applicant's arguments filed on responsive communication date 09/02/2005, have been fully considered but they are not persuasive.

Applicant argues that the prior art does not teach "setting portion and adjuster part". However, examiner respectfully disagrees with the argument because col.3 lines 19-55, Jameson teaches size adjuster part (corner icon). And col.1 lines 15-22, Megied teaches a set portion (size of each window may be adjusted by user).

Applicant argues that the prior art does not teach "increasing the signal level of the set portion". However, examiner respectfully disagrees with the argument because col.6 lines 10-15, Megied teaches enabling an increase in contrast/brightness characteristic of luminance output signals.

Applicant argues that the prior art does not teach "offsetting the values of both the video signal and setting signal". Examiner would like to see a clear definition for offsetting the values of signal. According to the IEEE dictionary, there are many definitions for offsetting. Does offsetting mean an action of minimizing the input values? Does offsetting mean independent from input values?

Applicant argues that the prior art does not teach "clock". However, examiner respectfully disagrees with the argument because Fig.2, Megied teaches multiplexer applying luminance signal in time which reads on a clock.

Applicant argues that the prior art does not teach "scaler part". However, examiner respectfully disagrees with the argument because col.3 lines 19-55, Jameson teaches size adjuster part (corner icon). And col.1 lines 15-22, Megied teaches a set portion (size of each window may be adjusted by user, the size of the window is adjusted by user implying that the size of window is rescaled)

Applicant argues that the prior art does not teach “adjusting the signal level”. However, examiner respectfully disagrees with the argument because col.3 lines 4-47, Megied teaches changing the brightness level which read on adjusting the signal level.

For these reasons, the rejections are maintained.

12. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the mailing date of this final action.

### ***Conclusion***

13. Any inquiry concerning this communication or earlier communications from the examiner should be directed to **Tam D. Tran** whose telephone number is **571-272-7793**. The examiner can normally be reached on MON-FRI from 8:30 – 5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **Richard Hjerpe** can be reached on **571-272-7691**. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Tam Tran

*TT*  
Examiner

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**RICHARD HJERPE**  
**SUPERVISORY PATENT EXAMINER**  
**TECHNOLOGY CENTER 2600**